

LOW VOLTAGE DC POWERED TELECOMMUNICATIONS CUSTOMER
SERVICE TERMINAL HAVING TELEPHONE WIRE INTERCONNECTION
AND A HOT-SWAPPABLE LOW VOLTAGE BATTERY MODULE

ABSTRACT OF THE DISCLOSURE

5 A telecommunications system includes a digital subscriber line, a
plurality of analog telephone terminals, at least one digital data terminal, a
power supply having a high voltage alternating current input and a low
voltage direct current output, and a telecommunications customer service
terminal (CST) having a signal input terminal for connection to the digital
10 subscriber line (DSL), having a plurality of analog telephone output terminals
for connection to individual ones of the plurality of analog telephone
terminals, having at least one digital data output terminal for connection to
the at least one digital data terminal, and having a low voltage direct current
power input terminal for connection to the low voltage direct current output
15 of the power supply. A length of telephone wire connects the signal input
terminal of the CST to the digital subscriber line, a plurality of lengths of
telephone wire connect individual ones of the analog telephone output
terminals of the CST to individual ones of the plurality of analog telephone
terminals, at least one length of telephone wire connects the at least one
20 digital data output terminal of the CST to the at least one digital data
terminal, and a length of telephone wire connects the low voltage direct
current power terminal of the CST to the low voltage direct current output of
the power supply. A manually removable battery pack supplies low voltage
direct current to the low voltage direct current input terminal of the CST upon
25 failure of the high voltage alternating current input to the power supply.